

L Number	Hits	Search Text	DB	Time stamp
1	16	((("438/174,194,217,289").CCLS.) and (etch\$5 with channel) ) and @pd>=20020423	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 10:02
-	4645	electron\$1 near2 draw\$3 FIB and ion near2 beam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 16:13
-	266	(electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/25 08:53
-	82	(electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel same (nitrogen carbon oxygen N C O "N" "C" "O")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/25 08:55
-	195	((electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel same (nitrogen carbon oxygen N C O "N" "C" "O")) ((electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen N C O "N" "C" "O"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/25 08:56
-	195	(electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen N C O "N" "C" "O")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/25 09:00
-	193	(electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen N C O "N" "C" "O")	USPAT; EPO; JPO; DERWENT; IBM_TDB	2001/07/25 08:57
-	1	("6144584").PN.	USPAT	2001/07/25 08:57
-	195	(electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen N C O "N" "C" "O")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/25 09:02
-	11	(electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 13:09
-	32	((("5548143") or ("4454524") or ("4549336") or ("4697198") or ("4959697") or ("4999682") or ("5196367") or ("5198879") or ("5210437") or ("5324960") or ("5343051") or ("5350940") or ("5426325") or ("5428234") or ("5449937") or ("5532175") or ("5606191") or ("5608231") or ("5614752") or ("5619053") or ("5635749") or ("5661059") or ("5670389") or ("5674788") or ("5698884") or ("5786618") or ("5801416") or ("5831294") or ("5885872") or ("5893740") or ("5894137") or ("5894151")).PN.	USPAT	2001/07/26 09:49
-	0	WO-88003328-\$.did	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 09:49
-	0	WO-88003328-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 09:49

-	2	WO-8803328-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 12:40
-	1	(electron\$1 near2 draw\$3 FIB and ion near2 beam) and (((("5548143") or ("4454524") or ("4549336") or ("4697198") or ("4959697") or ("4999682") or ("5196367") or ("5198879") or ("5210437") or ("5324960") or ("5343051") or ("5350940") or ("5426325") or ("5428234") or ("5449937") or ("5532175") or ("5606191") or ("5608231") or ("5614752") or ("5619053") or ("5635749") or ("5661059") or ("5670389") or ("5674788") or ("5698884") or ("5786618") or ("5801416") or ("5831294") or ("5885872") or ("5893740") or ("5894137") or ("5894151"))).PN.) WO-8803328-\$.did.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 12:59
-	12	(focused adj ion adj beam electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 17:24
-	1240	channel adj forming adj region	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 13:26
-	216	impurity adj region\$1 with channel and (channel adj forming adj region)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:47
-	1	((("5548143") or ("4454524") or ("4549336") or ("4697198") or ("4959697") or ("4999682") or ("5196367") or ("5198879") or ("5210437") or ("5324960") or ("5343051") or ("5350940") or ("5426325") or ("5428234") or ("5449937") or ("5532175") or ("5606191") or ("5608231") or ("5614752") or ("5619053") or ("5635749") or ("5661059") or ("5670389") or ("5674788") or ("5698884") or ("5786618") or ("5801416") or ("5831294") or ("5885872") or ("5893740") or ("5894137") or ("5894151"))).PN.) and (impurity adj region\$1 with channel and (channel adj forming adj region))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 13:26
-	0	((focused adj ion adj beam electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen) ) and (impurity adj region\$1 with channel and (channel adj forming adj region))	USPAT	2001/07/26 13:27
-	15	impurity adj region\$1 with channel and (channel adj forming adj region) and channel with (oxygen carbon nitrogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 13:28
-	17	impurity adj region\$1 with channel and channel adj form\$6 adj region\$1 and channel with (oxygen carbon nitrogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 13:34
-	0	("7198141").PN.	USPAT	2001/07/26 13:34
-	1	("6198141").PN.	USPAT	2001/07/26 13:34
-	0	6127702.URPN.	USPAT	2001/07/26 13:38
-	4	("4959697"   "4999682"   "5210437"   "5894137").PN.	USPAT	2001/07/26 13:38

-	195	(electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel and channel same (nitrogen carbon oxygen N C O "N" "C" "O")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 16:07
-	97	implant\$5 with (carbon oxygen nitrogen) with \$4silicon\$3 with channel	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 15:55
-	66	implant\$5 with (carbon oxygen nitrogen) with \$4silicon\$3 with channel	USPÄT	2001/07/26 15:17
-	2	expand\$3 adj5 energy adj band adj width	USPAT	2001/07/26 15:30
-	31	(implant\$5 with (carbon oxygen nitrogen) with \$4silicon\$3 with channel) not (implant\$5 with (carbon oxygen nitrogen) with \$4silicon\$3 with channel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 15:57
-	677	(438/162,174,194,217,289).CCLS.	USPÄT	2001/07/27 14:09
-	522	(438/174,194,217,289).CCLS.	USPAT	2001/07/26 16:13
-	3	(electron\$1 near2 draw\$3 FIB and ion near2 beam) and (("438/174,194,217,289").CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 16:14
-	26	(("438/162,174,194,217,289").CCLS.) and channel with (oxygen nitrogen carbon)	USPÄT	2001/07/26 16:32
-	69	(("438/162,174,194,217,289").CCLS.) and implant\$5 with (oxygen nitrogen carbon) not ((("438/162,174,194,217,289").CCLS.) and channel with (oxygen nitrogen carbon))	USPAT	2001/07/26 16:33
-	2	(focused adj ion adj beam electron\$1 near2 draw\$3 FIB and ion near2 beam) same channel same (nitrogen carbon oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 09:09
-	9229	etch\$5 with channel	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/26 17:54
-	115	(("438/174,194,217,289").CCLS.) and (etch\$5 with channel)	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 15:41
-	110	resist with (electron adj drawing FIB focused adj ion adj beam)	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:18
-	18	resist adj5 pattern\$4 adj5 (electron adj drawing FIB focused adj ion adj beam)	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 10:28
-	1	dotted adj hole with pattern	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 10:29
-	32	dot\$4 near2 hole with pattern	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 10:30
-	4	dot\$4 near2 hole with pattern same resist	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:18

-	6	implant\$5 near oxygen with (electron adj beam convergent adj ion adj beam)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:25
-	12	implant\$5 near4 oxygen with (electron adj beam convergent adj ion adj beam)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 13:48
-	6	(implant\$5 near4 oxygen with (electron adj beam convergent adj ion adj beam)) not (implant\$5 near oxygen with (electron adj beam convergent adj ion adj beam))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:46
-	1	("5642213").PN.	USPAT	2001/07/27 11:46
-	0	impurity adj region\$1 with channel same implant with (oxygen carbon nitrogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:48
-	11	impurity with channel same implant with (oxygen carbon nitrogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:52
-	395	(implant\$5 impurit\$3) with channel with (oxygen carbon nitrogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:53
-	114	impurity with channel with (oxygen carbon nitrogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:57
-	108	(impurity with channel with (oxygen carbon nitrogen)) not (impurity with channel same implant with (oxygen carbon nitrogen))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 11:56
-	1565	oxygen with (electron adj beam convergent adj ion adj beam) not (implant\$5 near4 oxygen with (electron adj beam convergent adj ion adj beam))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 13:49
-	13	implant\$5 with oxygen with (electron adj beam convergent adj ion adj beam) not (implant\$5 near4 oxygen with (electron adj beam convergent adj ion adj beam))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 14:07
-	677	(438/162,174,194,217,289).CCLS.	USPAT	2001/07/27 14:09
-	0	((oxygen with (electron adj beam convergent adj ion adj beam) not (implant\$5 near4 oxygen with (electron adj beam convergent adj ion adj beam))) and 438/\$) and ("438/162,174,194,217,289").CCLS.)	USPAT	2001/07/27 14:09
-	0	(oxygen with (electron adj beam convergent adj ion adj beam) not (implant\$5 near4 oxygen with (electron adj beam convergent adj ion adj beam))) and ("438/162,174,194,217,289").CCLS.)	USPAT	2001/07/27 14:09
-	99	(oxygen with (electron adj beam convergent adj ion adj beam) not (implant\$5 near4 oxygen with (electron adj beam convergent adj ion adj beam))) and 438/\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/07/27 14:09
-	1	("5642213").PN.	USPAT	2001/07/27 16:49

-	0	("yamazaki and ohtani and Fukunaga").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 09:18
-	2	("6198141").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 10:39
-	0	6198141.URPN.	USPAT	2002/04/23 09:57
-	32	("4454524"   "4549336"   "4697198"   "4959697"   "4999682"   "5196367"   "5198879"   "5210437"   "5324960"   "5343051"   "5350940"   "5426325"   "5428234"   "5449937"   "5532175"   "5548143"   "5606191"   "5608231"   "5614752"   "5619053"   "5635749"   "5661059"   "5670389"   "5674788"   "5698884"   "5786618"   "5801416"   "5831294"   "5885872"   "5893740"   "5894137"   "5894151").PN.	USPAT	2002/04/23 09:57
-	24	nitrogen adj concentration with silicon adj film	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 10:40
-	16	nitrogen adj concentration with silicon adj film	USPAT	2002/04/23 10:46
-	0	carbon adj concentration with silicon adj film	USPAT	2002/04/23 10:47
-	993	oxygenadj concentration with silicon adj film	USPAT	2002/04/23 10:47
-	42	oxygen adj concentration with silicon adj film	USPAT	2002/04/23 11:04
-	38	(oxygen adj concentration with silicon adj film) not (nitrogen adj concentration with silicon adj film)	USPAT	2002/04/23 10:47
-	68	oxygen adj concentration with silicon adj film	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 11:14
-	31	((oxygen adj concentration with silicon adj film) (nitrogen adj concentration with silicon adj film)) not ((oxygen adj concentration with silicon adj film) (nitrogen adj concentration with silicon adj film))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 11:05
-	2	carbon adj concentration with silicon adj film	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 11:16
-	45	(oxygen nitrogen carbon) near concentration with silicon adj film not ((oxygen adj concentration with silicon adj film) (nitrogen adj concentration with silicon adj film) (carbon adj concentration with silicon adj film) (oxygen adj concentration with silicon adj film) (nitrogen adj concentration with silicon adj film))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 14:22
-	44	oxygen adj ion\$1 with electron adj beam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 14:23

-	28	oxygen adj ion with electron adj beam	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 14:27
-	149	((("438/174,194,217,289").CCLS.) and (etch\$5 with channel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/23 15:41
-	14	((("438/174,194,217,289").CCLS.) and (etch\$5 with channel) ) and @pd>=20010727	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/22 10:01
-	428	((thermal thermally high adj temperature) with (oxide oxidate oxidation oxidating) HTO HTA RTO RTA) same (implant implanting implantation implants implanted) near2 ("o.sub.2" oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 10:55
-	251	((thermal thermally high adj temperature) with (oxide oxidate oxidation oxidating) HTO HTA RTO RTA) with (implant implanting implantation implants implanted) near2 ("o.sub.2" oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 10:55
-	105	((thermal thermally high adj temperature) near2 (oxide oxidate oxidation oxidating) HTO HTA RTO RTA) with (implant implanting implantation implants implanted) near2 ("o.sub.2" oxygen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 12:09
-	2	("6198141").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 11:18
-	1	6198141.URPN.	USPAT	2003/01/21 11:19
-	32	("4454524"   "4549336"   "4697198"   "4959697"   "4999682"   "5196367"   "5198879"   "5210437"   "5324960"   "5343051"   "5350940"   "5426325"   "5428234"   "5449937"   "5532175"   "5548143"   "5606191"   "5608231"   "5614752"   "5619053"   "5635749"   "5661059"   "5670389"   "5674788"   "5698884"   "5786618"   "5801416"   "5831294"   "5885872"   "5893740"   "5894137"   "5894151").PN.	USPAT	2003/01/21 11:19
-	11	5608231.URPN.	USPAT	2003/01/21 11:22
-	2	("5032877"   "5198879").PN.	USPAT	2003/01/21 11:22
-	11	(5608231.URPN. (("5032877"   "5198879").PN.)) not (((("6198141").PN.) 6198141.URPN. ("4454524"   "4549336"   "4697198"   "4959697"   "4999682"   "5196367"   "5198879"   "5210437"   "5324960"   "5343051"   "5350940"   "5426325"   "5428234"   "5449937"   "5532175"   "5548143"   "5606191"   "5608231"   "5614752"   "5619053"   "5635749"   "5661059"   "5670389"   "5674788"   "5698884"   "5786618"   "5801416"   "5831294"   "5885872"   "5893740"   "5894137"   "5894151").PN.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 11:22
-	2615	((implant implanting implantation implants implanted) near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2")) with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 12:11

-	2686	((implant implanting implantation implants implanted) near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2")) with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 12:12
-	1346	(pattern patterning patterned resist photo photoresist mask masking masked litho lithography lithographic) same ((implant implanting implantation implants implanted) near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2")) with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 12:16
-	825	(pattern patterning patterned resist photo photoresist mask masking masked litho lithography lithographic) with ((implant implanting implantation implants implanted) near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2")) with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 14:31
-	7	(dot dotted dots dotting) with ((implant implanting implantation implants implanted) near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2")) with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 13:59
-	7	(dot dotted dots spotting) with ((implant implanting implantation implants implanted) near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2")) with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 14:01
-	0	(speck speckle speckled juji adj fruit spot spotted spots spotting) with ((implant implanting implantation implants implanted) near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2")) with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 14:02
-	93	(electron electronic) adj (draw drawing beam) with (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2") with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 14:38
-	11	electron adj beam near2 (nitrogen carbon oxygen N C O "N" "C" "O" "N.sub.2" "O.sub.2") with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 14:37
-	15	(electron electronic) adj (draw drawing beam) with ( O "O" oxygen "O.sub.2") with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 15:01
-	9	(ion near2 beam) with ( O "O" oxygen "O.sub.2") with channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 14:49
-	36	(impant implantation implanting implanted) with (electron electronic) adj (draw drawing beam) with ( O "O" oxygen "O.sub.2")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 15:00
-	1	(impant implantation implanting implanted) with (electron electronic) adj (draw drawing beam) with ( O "O" oxygen "O.sub.2") same channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 15:01
-	29	(electron electronic) adj (draw drawing beam) with ( O "O" oxygen "O.sub.2") same channel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/21 15:02